Otavio T Ranzani

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4634986/publications.pdf

Version: 2024-02-01

137 papers 4,787 citations

35 h-index 61 g-index

152 all docs

 $\begin{array}{c} 152 \\ \text{docs citations} \end{array}$

152 times ranked

6907 citing authors

#	Article	IF	CITATIONS
1	Community-acquired pneumonia. Lancet, The, 2015, 386, 1097-1108.	13.7	392
2	Characterisation of the first 250â€^000 hospital admissions for COVID-19 in Brazil: a retrospective analysis of nationwide data. Lancet Respiratory Medicine,the, 2021, 9, 407-418.	10.7	309
3	C-Reactive Protein/Albumin Ratio Predicts 90-Day Mortality of Septic Patients. PLoS ONE, 2013, 8, e59321.	2.5	294
4	Effectiveness of the CoronaVac vaccine in older adults during a gamma variant associated epidemic of covid-19 in Brazil: test negative case-control study. BMJ, The, 2021, 374, n2015.	6.0	223
5	Incidence and prognosis of ventilator-associated tracheobronchitis (TAVeM): a multicentre, prospective, observational study. Lancet Respiratory Medicine, the, 2015, 3, 859-868.	10.7	152
6	New Sepsis Definition (Sepsis-3) and Community-acquired Pneumonia Mortality. A Validation and Clinical Decision-Making Study. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 1287-1297.	5.6	142
7	Risk Factors Associated with Potentially Antibiotic-Resistant Pathogens in Community-Acquired Pneumonia. Annals of the American Thoracic Society, 2015, 12, 153-160.	3.2	136
8	Effectiveness of CoronaVac among healthcare workers in the setting of high SARS-CoV-2 Gamma variant transmission in Manaus, Brazil: A test-negative case-control study. The Lancet Regional Health Americas, 2021, 1, 100025.	2.6	116
9	Implementation of a multifaceted sepsis education program in an emerging country setting: clinical outcomes and cost-effectiveness in a long-term follow-up study. Intensive Care Medicine, 2014, 40, 182-191.	8.2	102
10	Diagnosis of ventilator-associated pneumonia in critically ill adult patients—a systematic review and meta-analysis. Intensive Care Medicine, 2020, 46, 1170-1179.	8.2	98
11	Nebulized antibiotics for ventilator-associated pneumonia: a systematic review and meta-analysis. Critical Care, 2015, 19, 150.	5.8	91
12	Effectiveness of CoronaVac, ChAdOx1 nCoV-19, BNT162b2, and Ad26.COV2.S among individuals with previous SARS-CoV-2 infection in Brazil: a test-negative, case-control study. Lancet Infectious Diseases, The, 2022, 22, 791-801.	9.1	84
13	Emotional Disorders in Pairs of Patients and Their Family Members during and after ICU Stay. PLoS ONE, 2015, 10, e0115332.	2.5	82
14	Defining pathways to healthy sustainable urban development. Environment International, 2021, 146, 106236.	10.0	81
15	Severe community-acquired pneumonia: Characteristics and prognostic factors in ventilated and non-ventilated patients. PLoS ONE, 2018, 13, e0191721.	2.5	81
16	Pulmonary infections complicating ARDS. Intensive Care Medicine, 2020, 46, 2168-2183.	8.2	69
17	Association between ambient temperature and heat waves with mortality in South Asia: Systematic review and meta-analysis. Environment International, 2021, 146, 106170.	10.0	66
18	Effectiveness of ChAdOx1 vaccine in older adults during SARS-CoV-2 Gamma variant circulation in São Paulo. Nature Communications, 2021, 12, 6220.	12.8	62

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19	COVID-19 hospital admissions: Brazil's first and second waves compared. Lancet Respiratory Medicine, the, 2021, 9, e82-e83.	10.7	61
20	Validation of Predictors of Adverse Outcomes in Hospital-Acquired Pneumonia in the ICU*. Critical Care Medicine, 2013, 41, 2151-2161.	0.9	60
21	Anxiety, depression, and satisfaction in close relatives of patients in an open visiting policy intensive care unit in Brazil. Journal of Critical Care, 2015, 30, 440.e1-440.e6.	2.2	57
22	Physical and mental health effects of repeated short walks in a blue space environment: A randomised crossover study. Environmental Research, 2020, 188, 109812.	7.5	53
23	An In Vitro Study to Assess Determinant Features Associated With Fluid Sealing in the Design of Endotracheal Tube Cuffs and Exerted Tracheal Pressures*. Critical Care Medicine, 2013, 41, 518-526.	0.9	51
24	Long-term survival and cause-specific mortality of patients newly diagnosed with tuberculosis in São Paulo state, Brazil, 2010–15: a population-based, longitudinal study. Lancet Infectious Diseases, The, 2020, 20, 123-132.	9.1	51
25	Extracorporeal membrane oxygenation for severe respiratory failure in adult patients: A systematic review and meta-analysis of current evidence. Journal of Critical Care, 2013, 28, 998-1005.	2.2	49
26	An increase in mean platelet volume after admission is associated with higher mortality in critically ill patients. Annals of Intensive Care, 2014, 4, 20.	4.6	48
27	Peripherally inserted central catheters are associated with lower risk of bloodstream infection compared with central venous catheters in paediatric intensive care patients: a propensity-adjusted analysis. Intensive Care Medicine, 2017, 43, 1097-1104.	8.2	48
28	Thrombocytosis Is a Marker of Poor Outcome in Community-Acquired Pneumonia. Chest, 2013, 143, 767-775.	0.8	47
29	Evaluation of the 2016 Infectious Diseases Society of America/American Thoracic Society Guideline Criteria for Risk of Multidrug-Resistant Pathogens in Patients with Hospital-acquired and Ventilator-associated Pneumonia in the ICU. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 826-830.	5.6	46
30	Lactated Ringer Is Associated With Reduced Mortality and Less Acute Kidney Injury in Critically Ill Patients: A Retrospective Cohort Analysis*. Critical Care Medicine, 2016, 44, 2163-2170.	0.9	43
31	Ambient Particulate Air Pollution and Blood Pressure in Peri-urban India. Epidemiology, 2019, 30, 492-500.	2.7	42
32	Effects of Manual Rib Cage Compressions on Expiratory Flow and Mucus Clearance During Mechanical Ventilation*. Critical Care Medicine, 2013, 41, 850-856.	0.9	41
33	Relationship between acid–base status and inflammation in the critically ill. Critical Care, 2014, 18, R154.	5.8	41
34	Association between systemic corticosteroids and outcomes of intensive care unit–acquired pneumonia*. Critical Care Medicine, 2012, 40, 2552-2561.	0.9	36
35	Randomized, multicenter trial of lateral Trendelenburg versus semirecumbent body position for the prevention of ventilator-associated pneumonia. Intensive Care Medicine, 2017, 43, 1572-1584.	8.2	36
36	Reclassifying the spectrum of septic patients using lactate: severe sepsis, cryptic shock, vasoplegic shock and dysoxic shock. Revista Brasileira De Terapia Intensiva, 2013, 25, 270-8.	0.3	35

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37	Effect of Combined Î ² -Lactam/Macrolide Therapy on Mortality According to the Microbial Etiology and Inflammatory Status of Patients With Community-Acquired Pneumonia. Chest, 2019, 155, 795-804.	0.8	34
38	Failure to reduce C-reactive protein levels more than 25% in the last 24 hours before intensive care unit discharge predicts higher in-hospital mortality: A cohort study. Journal of Critical Care, 2012, 27, 525.e9-525.e15.	2.2	33
39	A Novel Porcine Model of Ventilator-associated Pneumonia Caused by Oropharyngeal Challenge with <i>Pseudomonas aeruginosa</i> . Anesthesiology, 2014, 120, 1205-1215.	2.5	32
40	Comparison of two prognostic scores (BSI and FACED) in a Spanish cohort of adult patients with bronchiectasis and improvement of the FACED predictive capacity for exacerbations. PLoS ONE, 2017, 12, e0175171.	2.5	32
41	The Challenge of Predicting Pressure Ulcers in Critically Ill Patients: A Multicenter Cohort Study. Annals of the American Thoracic Society, 2016, 13, 1775-1783.	3.2	31
42	Association of Ambient and Household Air Pollution With Bone Mineral Content Among Adults in Peri-urban South India. JAMA Network Open, 2020, 3, e1918504.	5.9	31
43	Gravity Predominates Over Ventilatory Pattern in the Prevention of Ventilator-Associated Pneumonia. Critical Care Medicine, 2014, 42, e620-e627.	0.9	28
44	Lymphocytopenia as a Predictor of Mortality in Patients with ICU-Acquired Pneumonia. Journal of Clinical Medicine, 2019, 8, 843.	2.4	27
45	The impact of being homeless on the unsuccessful outcome of treatment of pulmonary TB in São Paulo State, Brazil. BMC Medicine, 2016, 14, 41.	5.5	26
46	Community-acquired pneumonia severity assessment tools in patients hospitalized with COVID-19: a validation and clinical applicability study. Clinical Microbiology and Infection, 2021, 27, 1037.e1-1037.e8.	6.0	26
47	Long-term mortality after critical care: what is the starting point?. Critical Care, 2013, 17, 191.	5.8	25
48	One-year survival and resource use after critical illness: impact of organ failure and residual organ dysfunction in a cohort study in Brazil. Critical Care, 2015, 19, 269.	5.8	25
49	Treatment with macrolides and glucocorticosteroids in severe community-acquired pneumonia: A post-hoc exploratory analysis of a randomized controlled trial. PLoS ONE, 2017, 12, e0178022.	2.5	25
50	Chlorhexidine bathing for the prevention of colonization and infection with multidrug-resistant microorganisms in a hematopoietic stem cell transplantation unit over a 9-year period. Medicine (United States), 2016, 95, e5271.	1.0	24
51	Invasive and non-invasive diagnostic approaches for microbiological diagnosis of hospital-acquired pneumonia. Critical Care, 2019, 23, 51.	5.8	24
52	Spatial and temporal fluctuations in COVID-19 fatality rates in Brazilian hospitals. Nature Medicine, 2022, 28, 1476-1485.	30.7	24
53	ICU-Acquired Pneumonia With or Without Etiologic Diagnosis. Critical Care Medicine, 2013, 41, 2133-2143.	0.9	22
54	Endotracheal tube biofilm translocation in the lateral Trendelenburg position. Critical Care, 2015, 19, 59.	5.8	22

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55	Intensive care unit patients with lower respiratory tract nosocomial infections: the ENIRRIs project. ERJ Open Research, 2017, 3, 00092-2017.	2.6	22
56	Lack of association between particulate air pollution and blood glucose levels and diabetic status in peri-urban India. Environment International, 2019, 131, 105033.	10.0	22
57	Evaluation of a minimal sedation protocol using ICU sedative consumption as a monitoring tool: a quality improvement multicenter project. Critical Care, 2014, 18, 580.	5.8	21
58	The effects of discharge to an intermediate care unit after a critical illness: A 5-year cohort study. Journal of Critical Care, 2014, 29, 230-235.	2.2	19
59	Recovery after prolonged ICU treatment in patients with COVID-19. Lancet Respiratory Medicine, the, 2021, 9, 812-814.	10.7	19
60	Outcomes and organ dysfunctions of critically ill patients with systemic lupus erythematosus and other systemic rheumatic diseases. Brazilian Journal of Medical and Biological Research, 2011, 44, 1184-1193.	1.5	19
61	Videotoracoscopia como uma opção no tratamento cirúrgico do quilotórax após cirurgia cardÃaca pediátrica. Jornal Brasileiro De Pneumologia, 2011, 37, 28-35.	0.7	18
62	Validation of a Prediction Score for Drug-Resistant Microorganisms in Community-acquired Pneumonia. Annals of the American Thoracic Society, 2021, 18, 257-265.	3.2	18
63	Association between ambient and household air pollution with carotid intima-media thickness in peri-urban South India: CHAI-Project. International Journal of Epidemiology, 2020, 49, 69-79.	1.9	17
64	Focus on the frail and elderly: who should have a trial of ICU treatment?. Intensive Care Medicine, 2020, 46, 1030-1032.	8.2	16
65	Increasing tuberculosis burden in Latin America: an alarming trend for global control efforts. BMJ Global Health, 2021, 6, e005639.	4.7	16
66	A decision-aid tool for ICU admission triage is associated with a reduction in potentially inappropriate intensive care unit admissions. Journal of Critical Care, 2019, 51, 77-83.	2.2	16
67	A Comparison of Mortality From Sepsis in Brazil and England. Critical Care Medicine, 2019, 47, 76-84.	0.9	15
68	Nebulized Amikacin and Fosfomycin for Severe Pseudomonas aeruginosa Pneumonia. Critical Care Medicine, 2019, 47, e470-e477.	0.9	15
69	CYCLOSPORIN A REDUCES AIRWAY MUCUS SECRETION AND MUCOCILIARY CLEARANCE IN RATS. Clinics, 2007, 62, 345-352.	1.5	15
70	Booster doses for inactivated COVID-19 vaccines: if, when, and for whom. Lancet Infectious Diseases, The, 2022, 22, 430-432.	9.1	15
71	Recalibrating our prediction models in the ICU: time to move from the abacus to the computer. Intensive Care Medicine, 2014, 40, 438-441.	8.2	14
72	Zoonotic Tuberculosis in Humans: Control, Surveillance, and the One Health Approach. Epidemiologic Reviews, 2019, 41, 130-144.	3 . 5	14

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73	Progression of confirmed COVID-19 cases after the implementation of control measures. Revista Brasileira De Terapia Intensiva, 2020, 32, 213-223.	0.3	14
74	Land-Use Change and Cardiometabolic Risk Factors in an Urbanizing Area of South India: A Population-Based Cohort Study. Environmental Health Perspectives, 2020, 128, 47003.	6.0	13
75	Use of Recently Vaccinated Individuals to Detect Bias in Test-Negative Case–Control Studies of COVID-19 Vaccine Effectiveness. Epidemiology, 2022, 33, 450-456.	2.7	13
76	Anion gap corrected for albumin, phosphate and lactate is a good predictor of strong ion gap in critically ill patients: a nested cohort study. Revista Brasileira De Terapia Intensiva, 2013, 25, 205-211.	0.3	12
77	EuroSCORE Models in a Cohort of Patients with Valvular Heart Disease and a High Prevalence of Rheumatic Fever Submitted to Surgical Procedures. PLoS ONE, 2015, 10, e0118357.	2.5	12
78	Diagnosis of nonventilated hospital-acquired pneumonia: how much do we know?. Current Opinion in Critical Care, 2018, 24, 339-346.	3.2	12
79	Hyperoxia following cardiac arrest. Intensive Care Medicine, 2015, 41, 534-536.	8.2	11
80	Variability in forgoing life-sustaining treatments: reasons and recommendations. Intensive Care Medicine, 2015, 41, 1679-1681.	8.2	11
81	Is this critically ill patient elderly or too old?. Intensive Care Medicine, 2017, 43, 1884-1886.	8.2	11
82	Walnuts, Long-Chain Polyunsaturated Fatty Acids, and Adolescent Brain Development: Protocol for the Walnuts Smart Snack Dietary Intervention Trial. Frontiers in Pediatrics, 2021, 9, 593847.	1.9	11
83	Intraluminal plugs in idiopathic and secondary organizing pneumonia: repair or remodelling?. Histopathology, 2007, 51, 622-630.	2.9	10
84	Change in covid-19 risk over time following vaccination with CoronaVac: test negative case-control study. BMJ, The, 0, , e070102.	6.0	10
85	Ventilator-associated pneumonia. Intensive Care Medicine, 2022, 48, 1222-1226.	8.2	10
86	How objective is the observed mortality following critical care?. Intensive Care Medicine, 2013, 39, 2047-2049.	8.2	9
87	Diagnostic accuracy of Gram staining when predicting staphylococcal hospital-acquired pneumonia and ventilator-associated pneumonia: a systematic review and meta-analysis. Clinical Microbiology and Infection, 2020, 26, 1456-1463.	6.0	9
88	Evaluation of cost-effectiveness from the funding body's point of view of ultrasound-guided central venous catheter insertion compared with the conventional technique. Revista Brasileira De Terapia Intensiva, 2016, 28, 62-9.	0.3	9
89	Vaccine effectiveness of ChAdOx1 nCoV-19 against COVID-19 in a socially vulnerable community in Rio de Janeiro, Brazil: a test-negative design study. Clinical Microbiology and Infection, 2022, 28, 736.e1-736.e4.	6.0	9
90	One Health and surveillance of zoonotic tuberculosis in selected low-income, middle-income and high-income countries: A systematic review. PLoS Neglected Tropical Diseases, 2022, 16, e0010428.	3.0	9

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91	Protocolized sedation effect on post-ICU posttraumatic stress disorder prevalence: A systematic review and network meta-analysis. Journal of Critical Care, 2015, 30, 1278-1282.	2.2	8
92	Nosocomial pneumonia in the intensive care unit: how should treatment failure be predicted. Revista Brasileira De Terapia Intensiva, 2014, 26, 208-11.	0.3	8
93	Systematic Implementation of Evidence-Based Guidelines in Intensive Care Medicine. Critical Care Medicine, 2013, 41, 329-331.	0.9	7
94	Focus on immunocompromised patients. Intensive Care Medicine, 2017, 43, 1415-1417.	8.2	7
95	Severity scoring systems for pneumonia. Current Opinion in Pulmonary Medicine, 2018, 24, 227-236.	2.6	7
96	Hippocampal Damage During Mechanical Ventilation in Trendelenburg Position: A Secondary Analysis of an Experimental Study on the Prevention of Ventilator-Associated Pneumonia. Shock, 2019, 52, 75-82.	2.1	7
97	Personal exposure to particulate air pollution and vascular damage in peri-urban South India. Environment International, 2020, 139, 105734.	10.0	7
98	There is no cephalocaudal gradient of computed tomography densities or lung behavior in supine patients with acute respiratory distress syndrome. Acta Anaesthesiologica Scandinavica, 2016, 60, 767-779.	1.6	6
99	Diagnostic Value of Endotracheal Aspirates Sonication on Ventilator-Associated Pneumonia Microbiologic Diagnosis. Microorganisms, 2017, 5, 62.	3.6	6
100	Association of Sepsis Diagnosis at Daytime and on Weekdays with Compliance with the 3-Hour Sepsis Treatment Bundles. A Multicenter Cohort Study. Annals of the American Thoracic Society, 2020, 17, 980-987.	3.2	6
101	Focus on better care and ethics: Are medical ethics lagging behind the development of new medical technologies?. Intensive Care Medicine, 2020, 46, 1611-1613.	8.2	6
102	Prompt admission to the ICU: an instrument to improve mortality for deteriorating ward patients. Intensive Care Medicine, 2018, 44, 678-680.	8.2	5
103	Noninvasive ventilation in critically ill very old patients with pneumonia: A multicenter retrospective cohort study. PLoS ONE, 2021, 16, e0246072.	2.5	5
104	Estimating the impact of tuberculosis anatomical classification on treatment outcomes: A patient and surveillance perspective analysis. PLoS ONE, 2017, 12, e0187585.	2.5	5
105	Appraisal of systemic inflammation and diagnostic markers in a porcine model of VAP: secondary analysis from a study on novel preventive strategies. Intensive Care Medicine Experimental, 2018, 6, 42.	1.9	4
106	Recruitment manoeuvres dislodge mucus towards the distal airways in an experimental model of severe pneumonia. British Journal of Anaesthesia, 2019, 122, 269-276.	3.4	4
107	Vaccine effectiveness of ChAdOx1 nCoV-19 against COVID-19 in a socially vulnerable community in Rio de Janeiro, Brazil: author's response. Clinical Microbiology and Infection, 2022, 28, 1166-1167.	6.0	4
108	Association of ambient and household air pollution with lung function in young adults in an peri-urban area of South-India: A cross-sectional study. Environment International, 2022, 165, 107290.	10.0	4

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#	Article	IF	CITATIONS
109	The value of antibody-coated bacteria in tracheal aspirates for the diagnosis of ventilator-associated pneumonia: a case-control study. Jornal Brasileiro De Pneumologia, 2016, 42, 203-210.	0.7	3
110	Prone position and VAP incidence in the PROSEVA trial: attention to the causal question when interpreting competing risk analysis. Intensive Care Medicine, 2016, 42, 2119-2120.	8.2	3
111	Is occupational biomass smoke exposure an overlooked driver of respiratory health?. Occupational and Environmental Medicine, 2018, 75, 687-688.	2.8	3
112	Prediction of ventilator-associated pneumonia outcomes according to the early microbiological response: a retrospective observational study. European Respiratory Journal, 2022, 59, 2100620.	6.7	3
113	Effect of intraoperative HES 6% 130/0.4 on the need for blood transfusion after major oncologic surgery: a propensity-matched analysis. Clinics, 2013, 68, 501-509.	1.5	3
114	Optimising aerosolized therapies in critically ill patients. Intensive Care Medicine, 0, , .	8.2	3
115	Pneumonia in 2016: towards better care. Lancet Respiratory Medicine, the, 2016, 4, 949-951.	10.7	2
116	Respiratory research networks in Europe and beyond: aims, achievements and aspirations for the 21st century. Breathe, 2017, 13, 209-215.	1.3	2
117	Rapid identification of antimicrobial resistance patterns allows a faster antibiotic adequacy. Critical Care, 2017, 21, 208.	5.8	2
118	Inâ€vitro analysis of a novel â€~addâ€on' silicone cuff to improve sealing properties of tracheal tubes. Anaesthesia, 2018, 73, 1372-1381.	3.8	2
119	Ensuring editorial continuity and quality of science during the COVID-19 storm: the ICM experience. Intensive Care Medicine, 2020, 46, 1918-1920.	8.2	2
120	Association between sepsis at ICU admission and mortality in patients with ICU-acquired pneumonia: An infectious second-hit model. Journal of Critical Care, 2020, 59, 207-214.	2.2	2
121	Impact of Cardiovascular Failure in Intensive Care Unit-Acquired Pneumonia: A Single-Center, Prospective Study. Antibiotics, 2021, 10, 798.	3.7	2
122	Rio's Mountainous Region ("Região Serranaâ€) 2011 Landslides: Impact on Public Mental Health System. PLOS Currents, 2018, 10, .	1.4	2
123	Stratifying septic patients using lactate: severe sepsis and cryptic, vasoplegic and dysoxic shock profile. Critical Care, 2013, 17, P37.	5.8	1
124	Importance of a registered and structured protocol when conducting systematic reviews: comments about nebulized antibiotics for ventilator-associated pneumonia. Critical Care, 2015, 19, 298.	5.8	1
125	Timing of Initiation of Renal Replacement Therapy in Critically III Patients With Acute Kidney Injury. JAMA - Journal of the American Medical Association, 2016, 316, 1213.	7.4	1
126	Potential for Life Course Health Benefits From Improved Household Environments. JAMA Network Open, 2020, 3, e202968.	5.9	1

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127	Biomarkers in community-acquired pneumonia: can we do better by using them correctly?. Jornal Brasileiro De Pneumologia, 2019, 45, e20190189.	0.7	1
128	Characteristics and outcomes of autologous hematopoietic stem cell transplant recipients admitted to intensive care units: A multicenter study. Journal of Critical Care, 2022, 71, 154077.	2.2	1
129	Highlighting the important effect of systemic lupus erythematosus on platelet count of critically ill patients. Intensive Care Medicine, 2013, 39, 1882-1883.	8.2	O
130	Blindness: perceptions under mechanical ventilation. Intensive Care Medicine, 2013, 39, 1139-1139.	8.2	0
131	Corticosteroids in the Critically Ill Patient. Clinical Pulmonary Medicine, 2015, 22, 215-222.	0.3	0
132	The authors reply. Critical Care Medicine, 2017, 45, e239-e240.	0.9	0
133	Reply to Akinosoglou and Gogos: Sepsis-3 in Community-acquired Pneumonia: How Reliable Is It?. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 537-538.	5.6	O
134	Selected oncological patients may even restart cancer treatment after in-hospital cardiac arrest. Resuscitation, 2020, 148, 118-120.	3.0	0
135	Prevention of VAP: role of the artificial airway, body position and setting the ventilator. , 2012, , 153-168.		O
136	TELE-critical Care verSus usual Care On ICU PErformance (TELESCOPE): protocol for a cluster-randomised clinical trial on adult general ICUs in Brazil. BMJ Open, 2021, 11, e042302.	1.9	0
137	Phrenic Nerve Block and Respiratory Effort in Pigs and Critically Ill Patients with Acute Lung Injury. Anesthesiology, 2022, 136, 763-778.	2.5	O